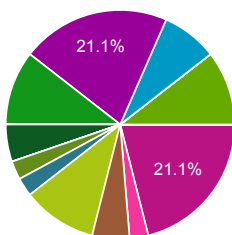


Please provide some basic information about yourself

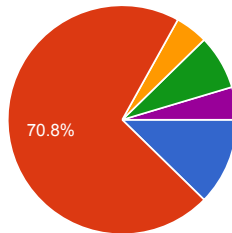
Department



| | | |
|--|---|-------|
| AB - Department of Fine Art - The Trondheim Academy of Fine Art | 0 | 0% |
| AB - Department of Architectural Design, Form and Colour Studies | 0 | 0% |
| AB - Department of Architectural Design and Management | 0 | 0% |
| AB - Department of Architectural Design, History and Technology | 0 | 0% |
| AB - Department of Urban Design and Planning | 0 | 0% |
| IVT - Department of Civil and Transport Engineering | 0 | 0% |
| IVT - Department of Structural Engineering | 0 | 0% |
| IVT - Department of Energy and Process Engineering | 0 | 0% |
| IVT - Department of Marine Technology | 0 | 0% |
| IVT - Department of Hydraulic and Environmental Engineering | 0 | 0% |
| IVT - Department of Geology and Mineral Resources Engineering | 0 | 0% |
| IVT - Department of Petroleum Engineering and Applied Geophysics | 0 | 0% |
| IVT - Department of Engineering Design and Materials | 0 | 0% |
| IVT - Industrial Ecology Programme | 0 | 0% |
| IVT - Department of Production and Quality Engineering | 0 | 0% |
| IVT - Department of Product Design | 0 | 0% |
| HF - Department of Art and Media Studies | 0 | 0% |
| HF - Department of Historical Studies | 0 | 0% |
| HF - Department of Interdisciplinary Studies of Culture | 0 | 0% |
| HF - Department of Language and Literature | 0 | 0% |
| HF - Department of Music | 0 | 0% |
| HF - Department of Philosophy and Religious Studies | 0 | 0% |
| NT - Department of Biotechnology | 8 | 12.3% |
| NT - Department of Biology | 1 | 1.5% |
| NT - Department of Chemistry | 2 | 3.1% |
| NT - Department of Chemical Engineering | 4 | 6.2% |
| NT - Department of Materials Science and Engineering | 1 | 1.5% |
| NT - Department of Physics | 1 | 1.5% |
| IME - Department of Computer and Information Science | 0 | 0% |
| IME - Department of Mathematical Sciences | 2 | 3.1% |
| IME - Department of Electric Power Engineering | 0 | 0% |
| IME - Department of Engineering Cybernetics | 0 | 0% |
| IME - Department of Telematics | 0 | 0% |
| IME - Department of Electronics and Telecommunications | 0 | 0% |
| DMF - Department of Neuroscience | 4 | 6.2% |
| DMF - Department of Public Health and General Practice | 8 | 12.3% |
| DMF - Department of Laboratory Medicine, Children's and Women's Health | 3 | 4.6% |
| DMF - Department of Circulation and Medical Imaging | 0 | 0% |
| DMF - Department of Cancer Research and Molecular Medicine | 4 | 6.2% |

| | | |
|--|---|----|
| SVT - Department of Geography | 0 | 0% |
| SVT - Department of Economics | 0 | 0% |
| SVT - Department of Sociology and Political Science | 0 | 0% |
| SVT - Department of Industrial Economics and Technology Management | 0 | 0% |
| SVT - Department of Education | 0 | 0% |
| SVT - Programme for Teacher Education | 0 | 0% |
| SVT - Department of Social Work and Health Science | 0 | 0% |
| SVT - Department of Psychology | 0 | 0% |
| SVT - Department of Social Anthropology | 0 | 0% |
| SVT - Department of Adult Learning and Counselling | 0 | 0% |
| SVT - Norwegian Centre for Child Research (NOSEB) | 0 | 0% |

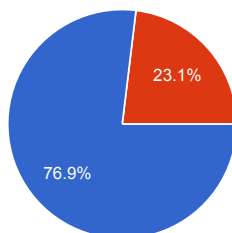
Occupation



| | | |
|-----------------------------|----|-------|
| Bachelor student (Year 1-3) | 8 | 12.3% |
| Master student (Year 4-5) | 46 | 70.8% |
| PhD student | 3 | 4.6% |
| Faculty and staff | 5 | 7.7% |
| Other | 3 | 4.6% |

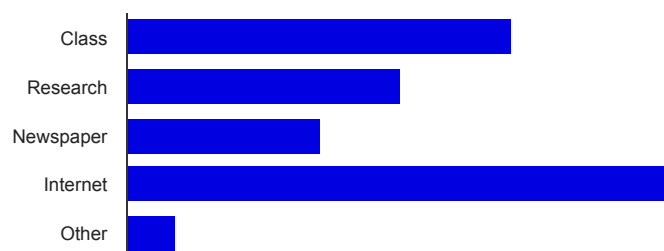
Synthetic Biology

Have you heard about synthetic biology before?



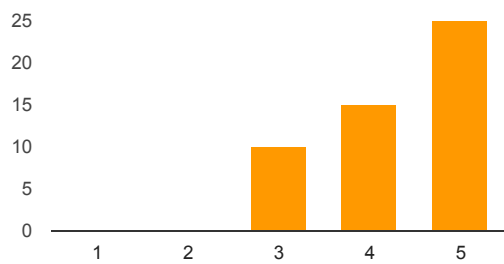
| | | |
|-----|----|-------|
| Yes | 50 | 76.9% |
| No | 15 | 23.1% |

Where did you hear about synthetic biology?

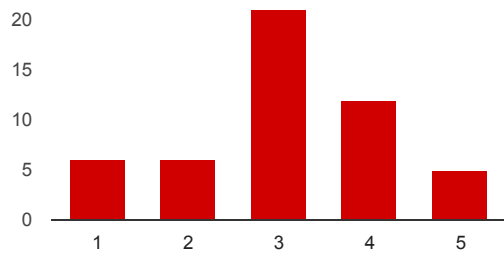


| | | |
|-----------|-----------|-----|
| Class | 24 | 48% |
| Research | 17 | 34% |
| Newspaper | 12 | 24% |
| Internet | 34 | 68% |
| Other | 3 | 6% |

"It is ethically correct for researchers to use genetically modified organisms to develop novel medical treatments."



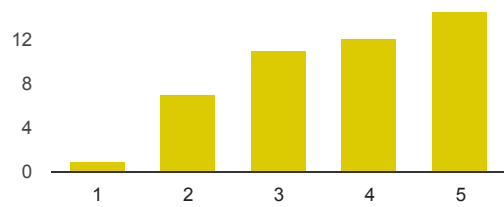
"A novel synthetic microorganism should be protectable by intellectual property rights."



| | | |
|----------------------|-----------|-----|
| Strongly disagree: 1 | 6 | 12% |
| 2 | 6 | 12% |
| 3 | 21 | 42% |
| 4 | 12 | 24% |
| Strongly agree: 5 | 5 | 10% |

"Journalists and media producers should not exaggerate the potential dangers of synthetic biology."





Strongly disagree: 1 **1** 2%

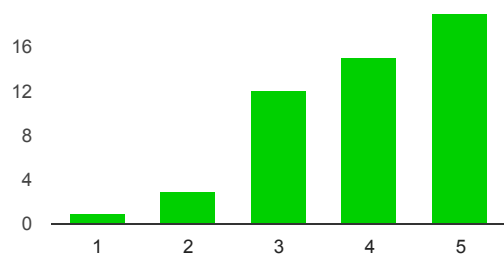
 2 **7** 14%

 3 **11** 22%

 4 **12** 24%

Strongly agree: 5 **19** 38%

"It is ethically correct to genetically modify plants."



Strongly disagree: 1 **1** 2%

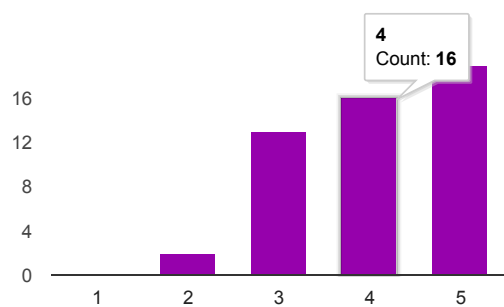
 2 **3** 6%

 3 **12** 24%

 4 **15** 30%

Strongly agree: 5 **19** 38%

"it is ethically correct to genetically modify microorganisms."



Strongly disagree: 1 **0** 0%

 2 **2** 4%

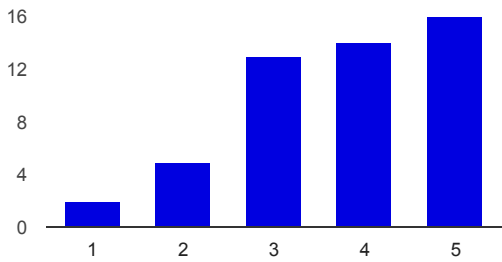
 3 **13** 26%

 4 **16** 32%

Strongly agree: 5 **19** 38%

"University students in e.g. biology or biotechnology get theoretical and practical knowledge on how to genetically modify organisms like bacteria and plants. This should also be included in the biology curriculum for high school"

students."

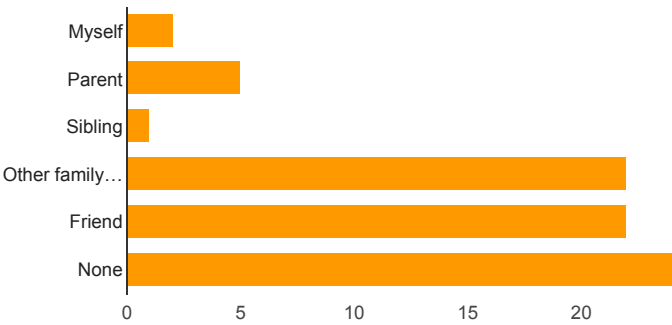


| | | |
|----------------------|----|-----|
| Strongly disagree: 1 | 2 | 4% |
| 2 | 5 | 10% |
| 3 | 13 | 26% |
| 4 | 14 | 28% |
| Strongly agree: 5 | 16 | 32% |

Diabetes

An insulin pump.

Is any close relative, friend, or yourself affected by diabetes?



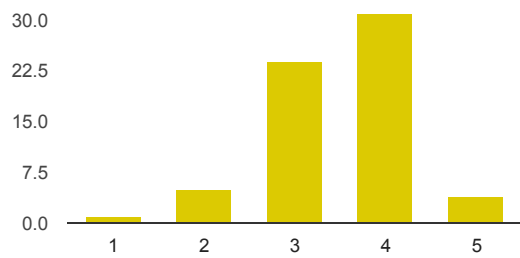
| | | |
|---------------------|----|-------|
| Myself | 2 | 3.1% |
| Parent | 5 | 7.7% |
| Sibling | 1 | 1.5% |
| Other family member | 22 | 33.8% |
| Friend | 22 | 33.8% |
| None | 24 | 36.9% |

If yes, which type of diabetes are you or they affected with?



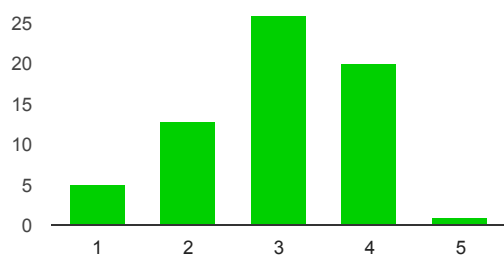
| | | |
|---|----|-------|
| Diabetes Type 1 | 17 | 27.4% |
| Diabetes Type 2 | 22 | 35.5% |
| I am not sure which type of diabetes it is | 11 | 17.7% |
| N/A (I replied "None" to the previous question) | 21 | 33.9% |

"Today, it is easy to manage diabetes."



| | | |
|----------------------|----|-------|
| Strongly disagree: 1 | 1 | 1.5% |
| 2 | 5 | 7.7% |
| 3 | 24 | 36.9% |
| 4 | 31 | 47.7% |
| Strongly agree: 5 | 4 | 6.2% |

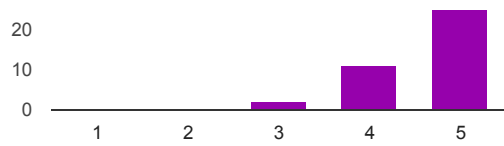
"To my knowledge, it is easy to detect when a diabetic patient is in hypo- or hyperglycemia."



| | | |
|-----------------------|----|-------|
| Strongly disagree.: 1 | 5 | 7.7% |
| 2 | 13 | 20% |
| 3 | 26 | 40% |
| 4 | 20 | 30.8% |
| Strongly agree.: 5 | 1 | 1.5% |

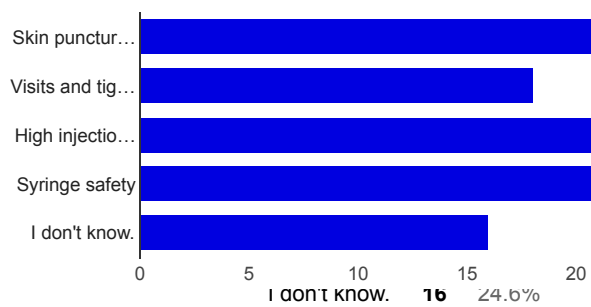
"It would be nice to have a medical device that automatically detects and regulates the blood glucose level."



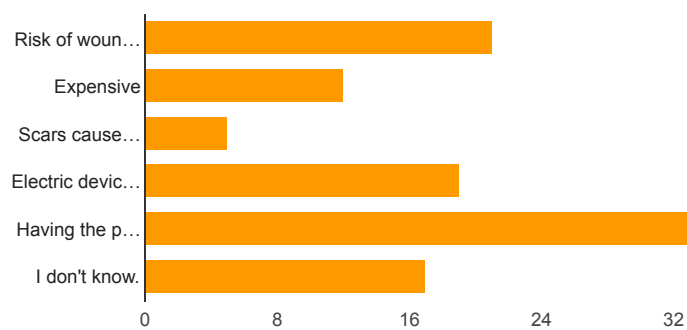


| | | |
|----------------------|----|-------|
| Strongly disagree: 1 | 0 | 0% |
| 2 | 0 | 0% |
| 3 | 2 | 3.1% |
| 4 | 11 | 16.9% |
| Strongly agree: 5 | 52 | 80% |

Please pick the main issues with insulin injections in your opinion.

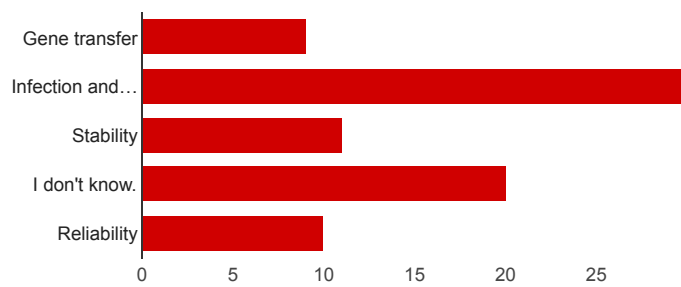


Please pick the main issues with insulin pumps in your opinion.



| | | |
|---|----|-------|
| Risk of wound infection | 21 | 32.3% |
| Expensive | 12 | 18.5% |
| Scars caused by the catheter | 5 | 7.7% |
| Electric device battery and reliability | 19 | 29.2% |
| Having the pump attached most of the time | 33 | 50.8% |
| I don't know. | 17 | 26.2% |

Please pick the potential issues with a pure synthetic biological insulin injection device in your opinion.

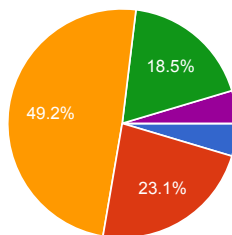


| | | |
|-------------------------------|----|-------|
| Gene transfer | 9 | 13.8% |
| Infection and immune response | 30 | 46.2% |
| Stability | 11 | 16.9% |
| I don't know. | 20 | 30.8% |
| Reliability | 10 | 15.4% |

Drug administration

Conventional drug administration routes

In the future, do you foresee a major change in the way drugs are made, prescribed, and administrated?



| | | |
|------------------------|----|-------|
| No. | 3 | 4.6% |
| Yes, within 10 years. | 15 | 23.1% |
| Yes, within 20 years. | 32 | 49.2% |
| Yes, within 50 years. | 12 | 18.5% |
| Yes, within 100 years. | 3 | 4.6% |
| Yes, within 250 years. | 0 | 0% |

Number of daily responses

